User’s Manual

Contents

Preface and Guarantee for Product 02

Summary of Products 03

Characteristics of Product 04

Structures of Product 05

Function of Keys 05

Operation Instruction 07

Installation and Taking-out of Memory Card 07

Open and Close of Camera 08

Mode of Camera 08

Mode of Photograph 09

Mode of Repeat 10

System Settings 11

Operation of Connecting Computer 12

Operation Diagram of HDMI 13

Random Fittings of Product Parameters 14

Safety Precautions 16

Solution of Easy difficulties 17

Preface

Thank you for purchasing digital driving recorder.

The user’s manual has a detailed description on how to correctly use the digital driving recorder and provides detailed product information, including operation, installation precautions and technical specifications. Please read the manual carefully before using. We hope the product can meet your requirements and provides the service for you for a long time.

Guarantee for Products

The product is tested strictly that its property complies with the specification and there is safety guarantee for using of customer.

Summary of Product

This kind of digital driving recorder breaks through the digital driving recorder on the market at present and records the front highway condition into interior of host machine by using digital camera lens of host machine itself and keeps back highway condition of the car into memory car by using a rearview camera lens attached to the back of car.

Micro SD card is used as storage device to be small and exquisite. Compared with general digital driving recorder, this kind of digital driving recorder can record more micromesh and perfect video, and the video can directly output to HD TV for playing to really enjoy HD vision effect.

GPS MAP Can be employed to look up the former driving route record, this kind of digital driving recorder is external and freely choose whether need function of GPS. (GPS is required to be purchased separately and not contented in the product), the operation system of windows XP SP3, CPU is 3G of single core, 2.5G of dual core, internal memory is more than 2G.

Characteristics of Product

■ 1280*720 30fp with rearview video effect of D1 (720*480)

■ 5M 2 million CMOS wafer, interpolation (12 million pixel);

■ Night LED fill-in light;

■ B provided with the function of white balance compensation in various settings;

■ Built-in rechargeable lithium batteries;

■ Display screen of 2.7 foot TFT 16:9;

■ Be provided with function of exposure compensation;

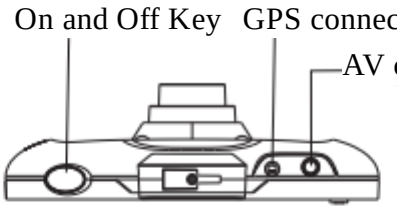
■ Built-in microphone/trumpet;

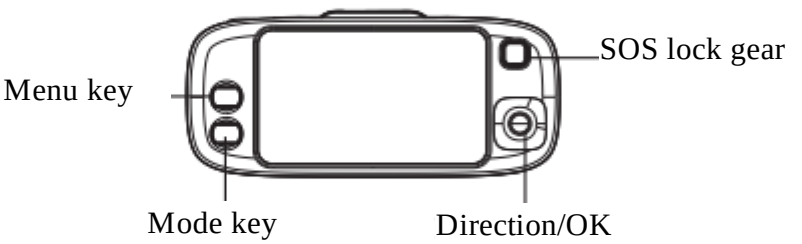
■32G for Maximum support volume of micro SD card;

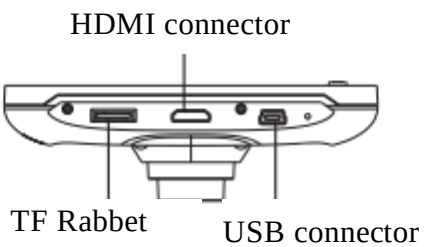
■ Be provided with possesses external GPS antenna, can look up driving route (need to be purchased externally)

■ HD TV output interface: HDMI sign output, be provided with resolution ratio reaches up to 1280*720P.

Structures of Product







Function of Keys

MODE is mode-shifting key to be used for shifting mode of camera, photograph, and play. MENU is menu key to be used for entering into condition of function table setting, it will enter into function table if you press once, quit function table if you press again.

On and Off key: start up and power off.

Five keys in lower right corner

The status from left and right is in play condition to be used for shifting mode all day and night, if you choose picture of picture in picture, press it to shift the picture,

OK key is used for verifying function table setting in condition of function table and used for starting, suspending play in play condition.

G-sensor

Sensitivity of G-sensor function can be set in the menu, the best setting is of 6G, the user can set it according to own way.

Press MENU to enter into menu setting in standby mode.

Red locking key especially is used under the emergency condition, press lock key once to keep pressed front 10 seconds and rear 10 seconds into card and not be circulated.

Operating Guideline

■ Installation and Application

1. Adhere the machine and sucker onto the front glass and remember that the view of drivers two shall not be blocked.
2. Plug the vehicles-filling wire into the machine, and GPS antenna can also be plugged into the machine (This function shall be served as optional).
3. Insert the vehicles-filling wire into the cigarette lighter of car, and the attention shall be paid to avoid the electric shock, this machine can convert its 12V~14V into a voltage of 5V.
4. The photographing angle can be adjusted according to personal preference.

■ Installing and Taking-out of Storage Card

1. When installing the micro SD card, insert the SD card into the slot in line with the indication direction.
2. When removing the card, gently press the micro SD card, and take it out when it pops out.

Warm Tips:

1. Prior to using the micro SD card, please confirm whether the locking key of the micro SD card is locked up;
2. Please confirm the inserting direction for the micro SD card, if the inserting direction is incorrect, the machine and card maybe be damaged;
3. Please apply the high-speed micro SD card conforming to SDHC dimension, the high-speed micro SD will be provided with a C4 or C6 mark;
4. If SD card format is incompatible with the machine, the card may not be read, and such phenomenon can be eliminated by formatting the SD card with the machine.

■ Start /Close of Machine and Automatic shutdown

1. Press the power key for around 3 seconds and the machine can be started or closed.
2. In order to save the battery capacity, employ the setting context menu to set the automatic shutdown time and the machine can turn off the power automatically. The machine will be closed automatically when no operation is performed within the setting time. Under any mode, press the “MENU” key of context menu to enter the system setup mode and employ the left and right key to select the context menu.

■ This driving recorder has a shot with an ultra wide angle of 120 degrees and three lanes can be seen simultaneously. One lens is a special one for pulling lines to the back of the car. By using this lens, the situation of rear vehicles can be recorded to the SD card at the same time.

■ Photographing Mode:

1. Turn on the power, after the machine completes the start mode, the upper left corner on the display will present the camera mode mark “ ” sign, which denotes that the camera mode has been entered currently. In other modes, the photo mode can be entered by pressing the mode conversion key “MODE”.
2. Push OK button to start the video recording, and push it again to stop recording. In the process of recording, the yellow graphic " will flash on the display.
3. Functional list mode: Press “MENU” key to enter the context menu mode, employ the left and right keys to select the menu, press up and down keys to modify the contents of context menu, and press “OK” key to confirm it. In the context menu mode, the following contents can be modified:

Resolution: applied to set the photographic resolution.

Photographing time: Selected based on users' requirements.

Cycled photographing: Automatically cover the recorded contents according to the setting time.

Vehicles-filling wire USB IN: Video recording can start automatically when charged. Several-minute continued recording or shutdown can be selected.

Warm Tips: In the process of photographing, pay attention not to move the lens too quickly to avoid photographing low quality image when switching scenes rapidly.

■ Photographing Mode

1. Press the mode conversion key MODE to select the photo mode. In the photo mode, the photo mode sign " " will appear on the upper left corner of the display to mean that the photo mode is entered at present.
2. Photo taking: Push "OK" button and photo taking can be performed.
3. Functional list mode: Press the MENU key to enter the context menu mode, employ MODE key to select the menu item, 1M, 2M, 3M.

   Press the up and down keys to modify the contents for the context menu, press "OK" key to confirm it. The following contents can be modified in the context menu mode:

Resolution: choose two kinds of resolutions of quality 1M, 2M and 3M: it means that the compression quality of video and good compression quality of video not only can produce more exquisite picture quality but also can occupy more memory space; inversely, general compression quality of video can save memory space. White balance: in different environment of light source, picture can have different displays of color can choose proper scene of light source when using the function to perfect the quality of video. However, it also can occupy more memory space. Color: used for producing specific effect of color, including art, reminiscent, negative film, black and white, bright-colored and so on.

Warm Tips:

While photographing, pay attention to seize camera quietly to reduce the shake of hands.

Play mode

1. Press key of mode shifting “MODE” to enter into play mode. In play mode, on the display can display current shot picture or video, press left key or right key can have browse, press key OK can enter into view menu.
2. Index and browse of picture: can use up and down key to browse picture and video data quickly, press key OK can enter into play mode of single piece.
3. Video play: In condition of single piece display, if there a mark of ▶ appears in display menu, it means it is video file at present. Press key OK for playing or suspending, press left, right key to choose fall back or FF, press key “MODE” to quit playing.

Press key MUNU can delete video.

4. Deletion: Under play condition, press “MENU” of functional list and enter into the functional list mode, use up and down key to choose “Delete” menu, press “OK” to affirm the deletion.

■ System Setting

Press “MENU” to enter into the functional list mode, employ the left and right key to choose the functional list mode, employ up and down key to modify the contents of functional list and then press “OK” to affirm.

Function list of system setting includes:

1. Size of resolution.
2. Language: set language.
3. Date: set the year, month and day, employ the left and right key to choose up and down key to increase and decrease the operation, press “OK” to affirm and enters into next set item.
4. Clock: set hour, minutes, use left and right key to choose, up and down key to have increase and decrease operation, press “OK” to affirm and enters into next set item.
5. Formatting: used for formatting memory or micro SD card.
6. Recover presetting value: used for setting system parameter as preset value of factory-fresh.
7. Motion detection: used for detecting the front object in standby mode, automatically open video.
8. Frequency of light source: used for choosing the frequency of light source, the users in Taiwan, choose “60Hz”. If chose wrong frequency of light source, interference of horizontal stripe shape will appear on picture.

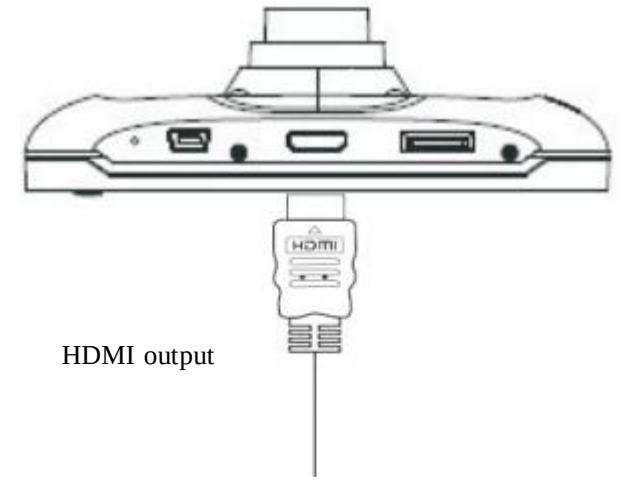
9. Version: Used to check the version number for the video camera.

Operation for Connecting Computer

Connect the machine to the computer through USB, and USB option context menu will appear, followed by three such modes as “usb Disk”, “pc camera”, as well as “rec mode”. Users may use the left and right keys to select, and press “OK” key to confirm it.

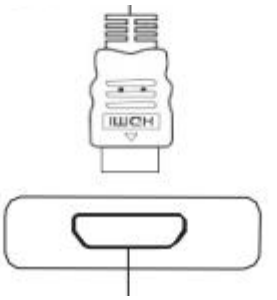
1. usb Disk Mode after entering this mode, the files inside the video recorder can be scanned through computer, on which two DCIMA will appear, one is the front picture, and another is simulate lens. Users can use computer to store these files, perform operation such as cutting .copying as well as deleting.
2. pc camera Mode After entering the pc camera mode, the computer can be used as a network video head.
3. Rec mode Mode In this mode, USB can be used to supply power to the video camera for performing normal operation.

Schematic Diagram for HDMI Operation



HDMI output

（HDMI output connecting wire）



HD TV

HDMI video input

Parameters of Product

Wafer	2.8 CMOS wafer,1/2.5″light-sensing surface area
Lens	Four pieces of prime lens,3.0 aperture, 7.45mm focus length
Liquid crystal display	2.7 inches 16:9 TFT LCD
Video output	Output of HDMI signal
Photograph	JPG file format, the top output megapixels:12 million megapixels
Video	H.264 compression format 1280*720, 30 fps 720*480 D-1 640*480,30fps 720*480 d-1
Audio	Built-in microphone / speaker(AAC)
Memory	External medium: MICRO SDHC card (the top support 64G,MICRO SDHC card)
White balance	Automatic/sunshine/cloudy day/fluorescent/incandescence light
USB interface	USB 2.0
Battery	High capacity lithium rechargeable battery, 3.7V180mAh
Dimension/weight	Dimension:112mm×53mm×32mm Weight:65.5g(including battery)
Work humidity/temperature	10%-80%-10℃-65℃

Random Accessories

☞ Warm Tip :

While you purchasing of this product, check accessories as shown on the picture to avoid the loss for you!

Host

Use manual

Car charger

USB cable

HDMI connecting line

Holder

Safety Precautions

☞ If the product is not properly used, the following problems may be caused, please use it according to the following safety stipulations.

※Warning

Take notice not to enable other things to enter into SE-800hd machine.

■ This may cause fire, electric shock and product defects in case you fall the products into water or liquid in negligence, please turn the power off and find our service department as soon as possible;

Please do not enable the products to fall down the ground.

■This may give rise to product damage and defects;

Please keep the product far away from humid and dusty place.

■This may result in product fault and defects;

Please do not decompose this product at random

■Otherwise, you can't get the product warranty from company;

Please do not wipe the products with chemicals and detergent

■This may change color;

Please do not remove USB cable when data is transferring

■This may have serious effect on product.

Simple Troubleshooting

☞ In the case of normal operation, if there is a problem with the products, please refer to the following methods to solve them, please:

■Not be available for taking picture and photographing, check SD card whether there is enough memory and is locked.
■Automatic stopping due to a greater volume of HD video data in video recording. Please employ the high speed SD card which is compatible with SDHC, high speed SD card will bear C4 or C6 mark.
■During playing of picture and video, appear “file error”. This is because an error occurs when SD storing data, then file error is caused. Recommended use formatting functions of camera and re-format SD card.
■No video displayed in television screen, check whether connection of HDMI TV plug is correct and whether television is set in correct HDMI state.
■Video taken is foggy, because lens is not clean enough. Please check whether lens produce the dirt and finger print. Before shooting, use lens paper to clean lens.
■Video taken is fuzzy, check whether lens is dirty, use clean cloth to wipe lens.
■When taking the sky and water scenes, the video is very dark, such situation belongs to a big contrast scene, which will produce serious effect on automatic exposure function of camera. Under this situation, the exposed compensation function is required to amend the exposure value of camera.
■Under cloudy day and indoor lighting, the color presentation is not perfect. Please set “white balance” function according to specific scene.
■Flashlight fails to be started, in the case that battery power is not enough; the flashlight can not be started for using.
■There is horizontal stripe interference in image caused by incorrect light frequency setting, for Taiwan users, and light frequency shall be set to “60Hz”.